



Polynum™ Double Bubble

Introducing our innovative 2-in-1 product: Thermal Reflective Insulation and Vapor Barrier. Crafted with two external layers of pure aluminum foil encapsulating a double core layer of polyethylene bubble film, this product offers exceptional thermal insulation properties while also serving as an effective vapor barrier.

Ideal for various applications, from roofs & walls to ideal Insulation Solutions for Pipes and Ducts.

It provides superior protection against heat loss in winter and heat penetration in summer.



Durability for Years



Reflect 97% IR



Thermal Insulation



Easy to Install



No eye& face protection required



Saving Energy



Green Building



Light weight & Thin



Against condensation
Resistant to moisture



Property	Units	Dir	Value
Nominal thickness	mm		8.0 +/-5mm
Standard Roll Size	m X m		1.2m X 30m
Standard Roll Weight (Gross)	kg		20.5 kg
Emissivity (ASTM C 1371)			0.05
Reflectivity (ASTM C 1371)			0.95
Heat resistance (R)* Under roof (ASTM C 1363)	m ² .°C/W	Down	3.06
Noise reduction - (ASTM E 384)	%		55%
Resistance to Corrosion	AS/NZS4859.1 (App.1)		Pass
Tensile properties (ASTM C 1136-92)	g/cm-width	MD	>10kg/cm ²
Puncture properties	g/cm-width		72 kg/cm
Fire Classification with FR- EN 13501-1-2019 (Tested on FR product)			B-s1.d-0
Water Vapor Transmission (ASTM E-96)	g / ft ² · hr		0.018 (method A)
Fungal Resistance Test (ASTM C 1338)			No fungal growth
Dry Delamination	AS/NSZ 4201.1		Pass (<0.5%)
Thermal Stability Test for cracks @ 110°C ASTM 1136-92 & ASTM 1204-94			Pass